

Serial No. 10/518,073
Supplemental Amdt. Dated September 26, 2008
Reply to final Office Action mailed May 27, 2008

Amendments to the Specification

Please amend the paragraph beginning on page 21, line 27 of the Substitute Specification submitted on July 28, 2008 as follows:

If the cross-correlation profile is described by $a(\tau)$, which exemplifies a first function, then

$$\begin{aligned} a(\tau) &= r(t) \otimes S_A(t) \\ &= [S_A(t) * h_A(t) + S_B(t) * h_B(t) + \dots] \otimes S_A(t) \\ &\approx S_A(t) * h_A(t) \otimes S_A(t) \\ &= p_A(\tau) * h_A(t), \end{aligned}$$

where the \otimes symbol represents cross-correlation, τ is the delay, and $p_A(\tau)$, which exemplifies a second function, is the auto-correlation profile of $S_A(t)$. Note that the terms of $r(t)$ including $S_B(t)$ etc. become negligible upon cross correlating with $S_A(t)$ as the signals from transmitters A, B etc have orthogonal spreading codes and the signal from A is much brighter than any other.